

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,159,370 B2  
APPLICATION NO. : 10/766573  
DATED : January 9, 2007  
INVENTOR(S) : Oliphant et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page item 57

In the Abstract, Line 6, the word "Comer" should read --Corner--.

In the drawings, Sheet 1, Fig. 2, the reference numeral "48" adjacent reference numeral 38 should be --44--.

In the drawings, Sheet 5, Fig. 7, the reference numeral "50" should be --82--.

In Column 5, Line 13, the phrase "Channel 40" should read --Channel 70--.

In Column 6, Line 49, the phrase "panel splicing pieces 100" should read --panel splicing pieces 110--.

In Column 8, Lines 30-31, the phrase "said plurality of corner piece" should read --said plurality of corner pieces--.

In Column 11, Lines 54-55, the phrase "said plurality of corner piece" should read --said plurality of corner pieces--.

Delete title page showing an illustrative figure and substitute therefor the attached title page.

Delete sheets 1 & 5 and substitute therefor the attached sheets 1 & 5.

Signed and Sealed this

Fifteenth Day of January, 2008



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*

(12) **United States Patent**  
**Oliphant et al.**

(10) **Patent No.:** **US 7,159,370 B2**  
**(45) Date of Patent:** **Jan. 9, 2007**

(54) **MODULAR FIBERGLASS REINFORCED  
 POLYMER STRUCTURAL POLE SYSTEM**

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(\*) Notice: Subject to any disclaimer, the term of this  
 patent is extended or adjusted under 35  
 U.S.C. 154(b) by 540 days.

(21) Appl. No.: **10/766,573**

(22) Filed: **Jan. 27, 2004**

(65) **Prior Publication Data**

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(51) **Int. Cl.**

**E04C 3/30** (2006.01)

(52) **U.S. Cl.** ..... **52/731.4; 52/731.3; 52/732.3**

(58) **Field of Classification Search** ..... **52/651.01,  
 52/651.07, 736.1, 726.3, 726.1, 737.6, 732.3,  
 52/732.2, 731.4, 731.3, 586.1, 586.2, 40;  
 D25/126; 138/157, 162, 167; 446/111, 117,  
 446/122, 124**

See application file for complete search history.

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\*cited by examiner

**Primary Examiner**—Naoko Slack

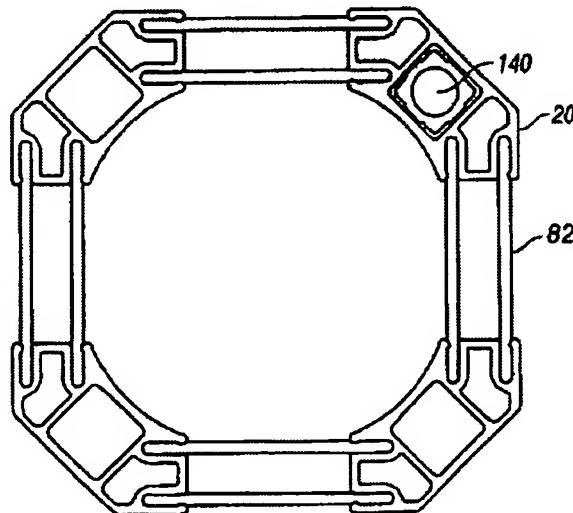
**Assistant Examiner**—Jessica Laux

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 James E. Hudson, III

(57) **ABSTRACT**

This invention is a modular pole assembly comprised of corner pieces and panel members. Panel members are slidably engaged to the corner pieces and are retained in a direction normal to the engagement direction by a track in each slot that nests within a groove in each panel member. Corner pieces may include multiple slots along each side, allowing for multiple layers of panel members along each side, thereby increasing strength and allowing an insulative and structural fill material to be added between panel member layers. The height of the modular pole may be increased by inserting splicing posts between consecutive, adjacent corner members and inserting splicing pieces between co-planar adjacent panel members. The modular nature of the pole assembly provides for simple packaging and shipment of the various components and easy assembly at or near the installation location.

**20 Claims, 7 Drawing Sheets**



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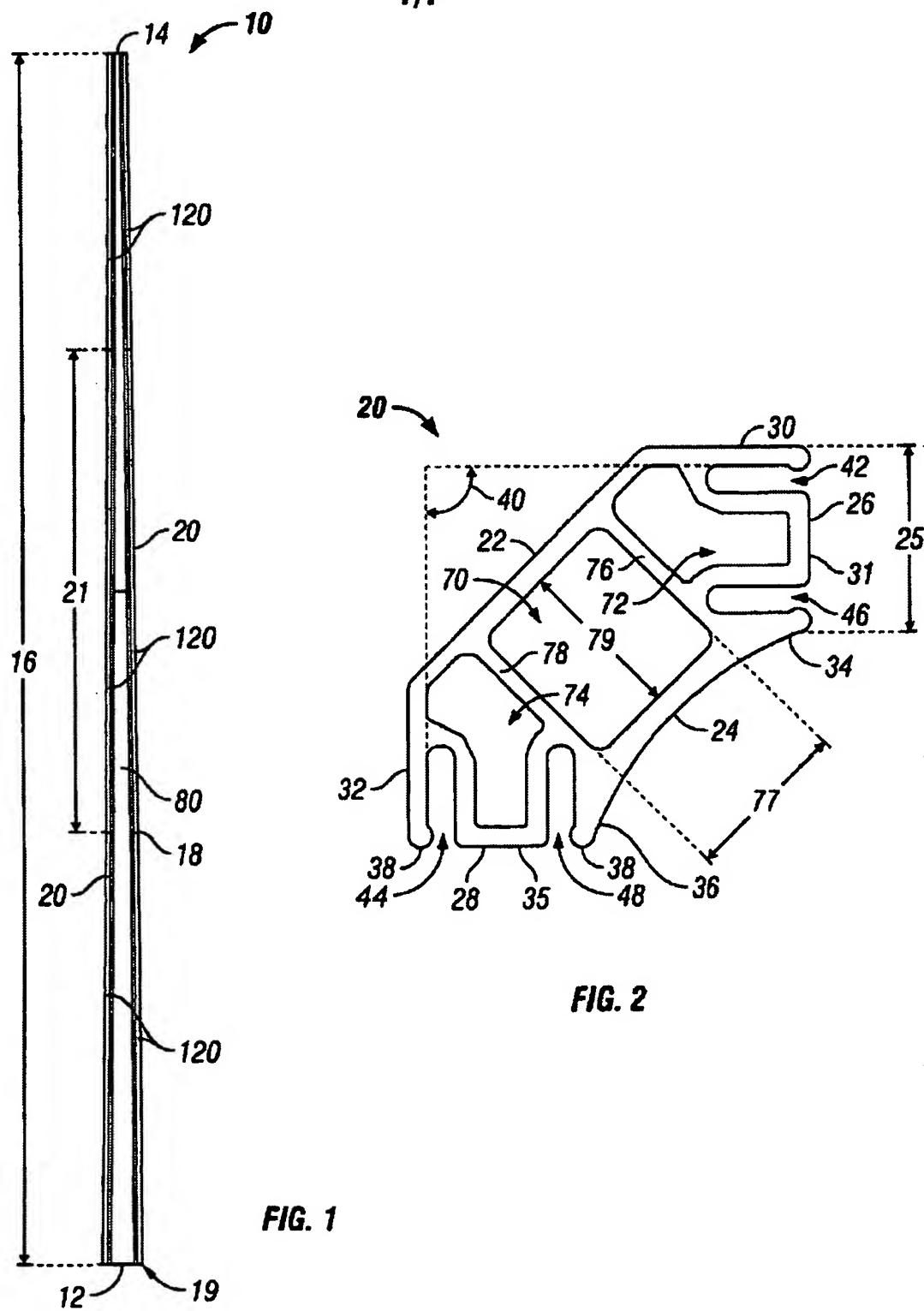


FIG. 2

FIG. 1

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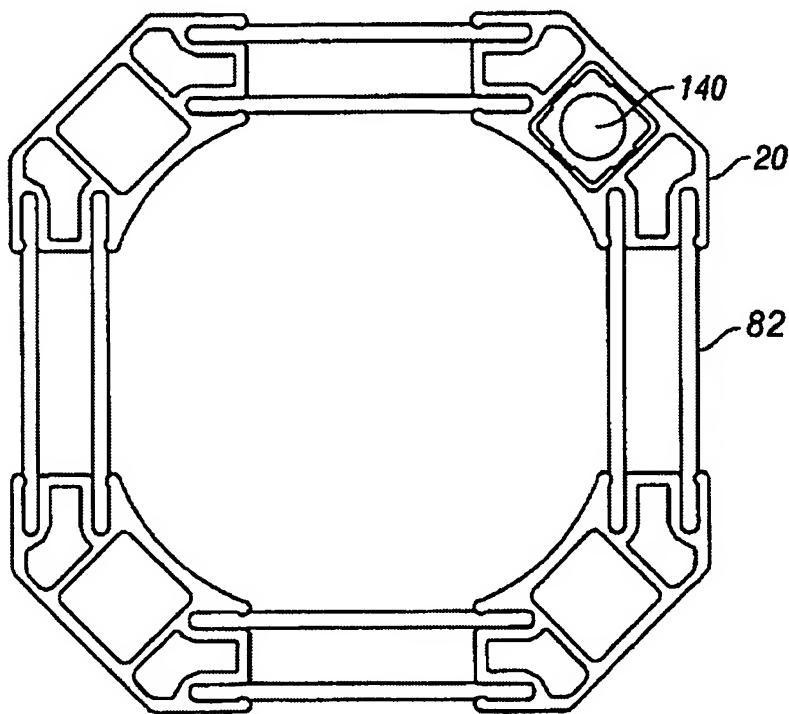


FIG. 7

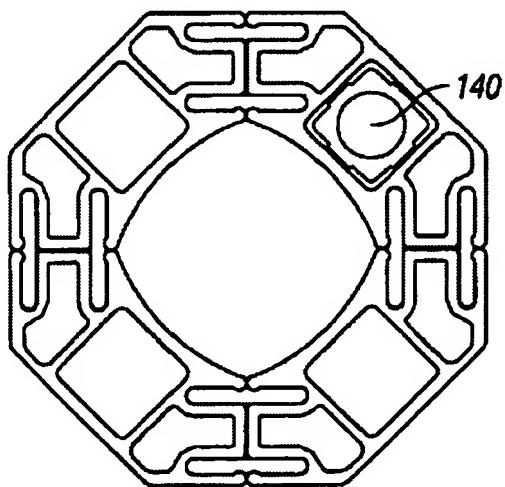


FIG. 8